

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06517

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01H25/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01H 006F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 313 826 B1 (SCHRUM ALLAN E ET AL) 6 November 2001 (2001-11-06)	1-3
Y	the whole document	4-17, 19-26
X	US 6 313 731 B1 (VANCE SCOTT LADELL) 6 November 2001 (2001-11-06)	1
Y	the whole document	2-17, 19-26
X	EP 0 640 937 A (HOSIDEN CORP) 1 March 1995 (1995-03-01)	1
Y	the whole document	2-17, 19-26
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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12/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 670 955 A (HANSON MARK T ET AL) 23 September 1997 (1997-09-23)	1
Y	the whole document	2-17, 19-26
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09, 30 September 1996 (1996-09-30) & JP 08 124461 A (MATSUSHITA ELECTRIC IND CO LTD), 17 May 1996 (1996-05-17)	1
Y	abstract	7
X	US 2002/009193 A1 (DEGUCHI MANABU) 24 January 2002 (2002-01-24)	1
Y	page 4, column 1, paragraph 1 - paragraph 4; figures 8A,,8B	12
X	EP 0 540 147 A (LIN WALLACE E ;LIN EDWARD D (US)) 5 May 1993 (1993-05-05)	1
Y	column 2, line 21 -column 3, line 9; figures column 10, line 10 - line 16	16
X	DE 34 26 922 A (GRUNDIG EMV) 23 January 1986 (1986-01-23)	1
Y	the whole document	19-25
Y	US 5 815 139 A (MIZUKI TAKAYUKI ET AL) 29 September 1998 (1998-09-29) cited in the application claim 1; figures	14

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Information on patent family members

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